

AirGuard™ Wireless Applications

3e-525A-3 Wireless Access Point / 3e-525V-3 Wireless Video Server

Virtual Sentry Comes to U.S. Navy

Virtual Surveillance

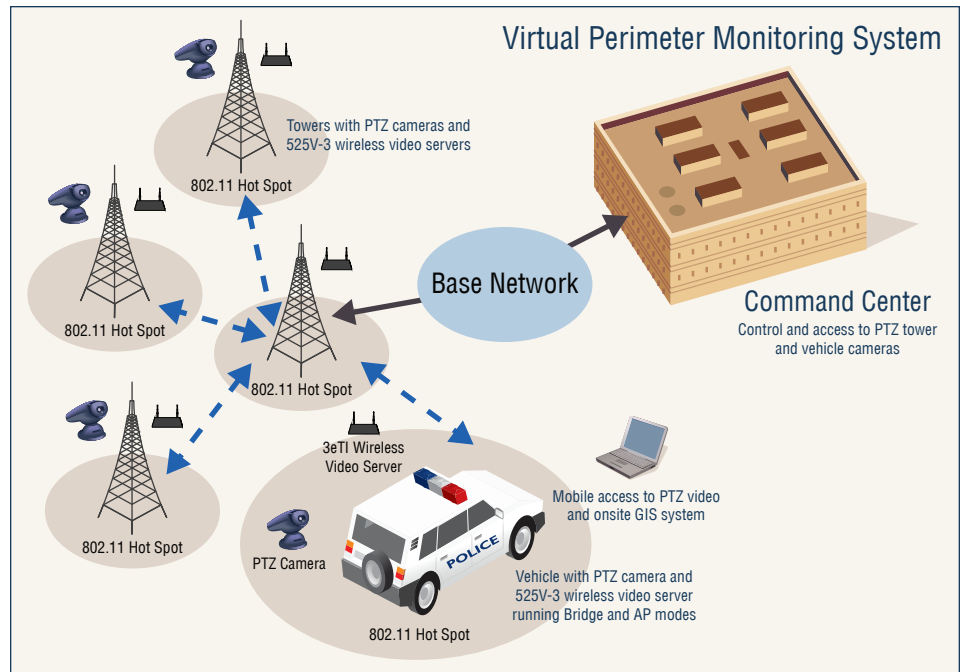
The United States naval base at Dahlgren, Virginia, has gained another tool to help protect personnel and property in the nation's war on terrorism. The tool is a Virtual Perimeter Monitoring System™ (VPMS™) using AirGuard 3e-525V-3 wireless video servers and 3e-525A-3 wireless access points (APs) from 3eTI. VPMS is a wireless sensor and video surveillance system that provides continuous security around the U.S. Naval District Washington (NDW) West Area perimeter.

The base is employing state-of-the-art technology products in building its new surveillance system. At the heart of VPMS are off-the-shelf devices: AirGuard wireless video servers and APs — which function as video acquisition / network access nodes — along with video management systems from LiveWave, Inc. The products are integrated into the base's Regional Geographic Information System (RGIS), which also was developed by 3eTI.

Wireless Infrastructure Solution

The VPMS solution is being employed as part of Dahlgren's Virtual Community Evaluation Complex (VCEC) program, in conjunction with the Critical Area Protection System (CAPS) effort at the Navy's Coastal Systems Station in Panama, Florida.

NDW West was granted unprecedented approval from the Naval Network Warfare Command (NETWARCOM) to implement the basewide wireless network that serves as the infrastructure for the VPMS solution.



The Virtual Perimeter Monitoring System — which includes AirGuard wireless video servers and wireless access points — is being used to help secure the Dahlgren naval base.

The new wireless capability equips emergency and public safety personnel with real-time, mobile access to the VPMS video and sensor data.

Wireless Bridging and Hot Spots

The wireless VPMS application supplements a wired network that was jointly implemented by the NDW IT program and the Public Works Center Washington Detachment at the base.

The AirGuard video servers have attached pan-tilt-zoom cameras to view critical areas around the base. The VPMS solution is connected back to Dahlgren's Base Command Center, where on-watch personnel continuously

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The system meets or exceeds current DoD requirements for wireless... and it will ensure our safety to the utmost.

Jeffery M. Johnson, Deputy Area Operations Officer, NDW West

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monitor the base for optimum protection. The video servers provide secure wireless bridging — and hot spots — for guards to monitor camera activity as they make their rounds.

DoD Certified Security

All wireless links are highly secure and use the same FIPS 140-2 Validated™ Advanced Encryption Standard (AES) crypto modules contained in all of 3eTI's NIST-certified products.

3eTI is installing similar systems on several of the Navy ship classes as part of the Smartship and ICAS programs. The security upgrades were demanded in the wake of terrorist attacks on United States' interests abroad.

Protecting Personnel and Assets

The CAPS program is implementing similar capabilities at key U.S. military sites in the Middle East and Europe. It is expected that such systems will eventually be used at embassies, oil pipelines, power plants and other critically sensitive installations where terrorists may attack.

The VPMS integrates multiple sensor types — such as HVAC and chemical / biological — that could warn of approaching danger, track threats as they unfold, and efficiently deploy security resources to areas of greatest need.

Benefits

- Expanded around-the-clock monitoring of key locations, vital processes and events
- Improved security
- Requires fewer field staff
- Flexible and easy to install
- Cost-effective solution versus cabled system
- 11 / 54 / 108 Mbps local access and wireless bridging
- Compatible with IP-centric sensors
- Secure, military-proven solution
- Scalable solutions with built-in security

We will be able to see everything that happens around these areas and enable first responders to have better situational awareness.

Jeffery M. Johnson, Deputy Area Operations Officer, NDW West

At Dahlgren, the AirGuard wireless video servers ring the entire perimeter of the base with cameras and sensors, guarding entrances and fence and shore line areas.

The VPMS solution is planned for further deployment at NDW West Area's other installation at Indian Head, Maryland.

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AirGuard 3e-525V-3 video server

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